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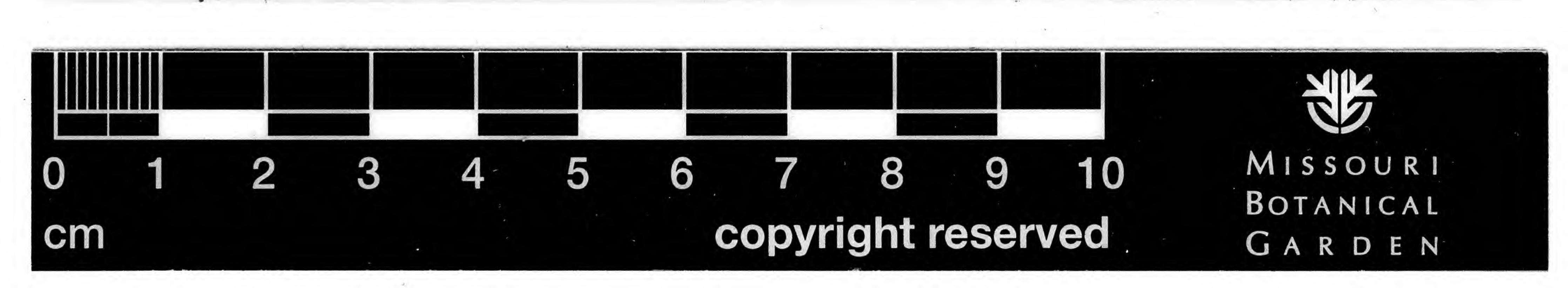


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MISSOURI BOTANICAL GARDEN



For which occasion the participating Eminent Artists have kindly offered their valuable assistance.

The "Weber" Grand Piano, used on this occasion, has been gratuitously offered by Mr. T. BOYLE, of the St. Louis Mercantile Company.

The Furniture has deen kindly loaned by the MITCHELL FURNITURE CO.

Mr. E. ARMSTRONG, Florist, No. 421 North Fourth Street, has generously

Decorated the Stage.

To F. W. ROSENTHAL & CO. we are indebted for the use of the Carpet.

Chas. E. Ware & ('o. Print., Cor. Fifth & Chestnut.

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interrupted descent and ascent took place from January to December, we find in 1862 some interruptions in the steps of that ladder. The electricity in February, 1862, is about four degrees higher than that of January, April somewhat higher than March, and July is the lowest instead of September in 1861. These trifling irregularities may be accounted for by differences in temperature and relative humidity, and by a greater number of thunderstorms in 1862. January of 1862, for instance, was so unusually rainy, that its relative humidity too was unusually high, diminishing thus electricity. But the general features of distribution of electricity throughout the year are apparent in both years, and we may in that respect divide the twelve months of each year into two or three groups. Computing the months which give the highest electricity and those which give the lowest in each year, we find that in both years the months of January, February, March, April, November and December exhibit the highest, and the months of May, June, July, August, September and October the lowest electricity. The first group gives

The aggregate monthly mean of 71.5 degrees of electricity in 1861 and 74.6 " " 1862

While the second group gives 29.0 " " 1861 and 25.7 " " 1862

The second group prevailed therefore in 1861, and the 1st



WISLIZENUS—ATMOSPHERIC ELECTRICITY.

VI. The appearance of negative electricity was connected in

| 1861. No. times. | 1862. No. times. | |
|---------------------|---------------------|--|
| 30 | 32 | with thunderstorms. |
| 23 | 28 | with rains without thunder and lightning. |
| 20 | 4 | with dry storms (without rain and without thun- der and lightning). |
| 4 | 3 | with snow. |
| 1 | 0 | with fog. |
| 78 | 67 | |

VII. Relation of Rain and Snow to Electricity. Rain without thunderstorm was accompanied

| | By Positive Electricity. | | By Negative Electricity. | | By no Electricity. | |
|----------|--------------------------|----------|--------------------------|----------|--------------------|----------|
| | In 1861. | In 1862. | In 1861. | In 1862. | In 1861. | In 1862. |
| January | 7 | 5 | 3 | 2 | | 2 |
| February | 2 | 1 | 4 | 1 | | |
| March | | D | 0 | 4 | | |
| April | 10 | 6 7 | | 11 | 3 | 1 |
| Tune | | | | | | 8-911 |



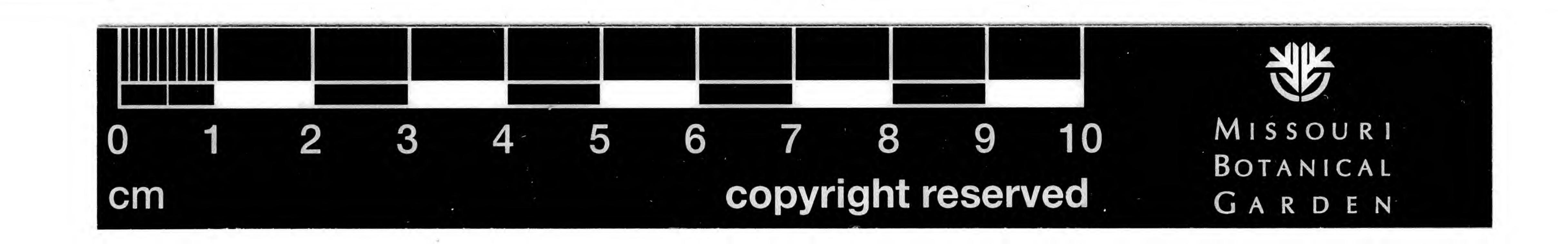


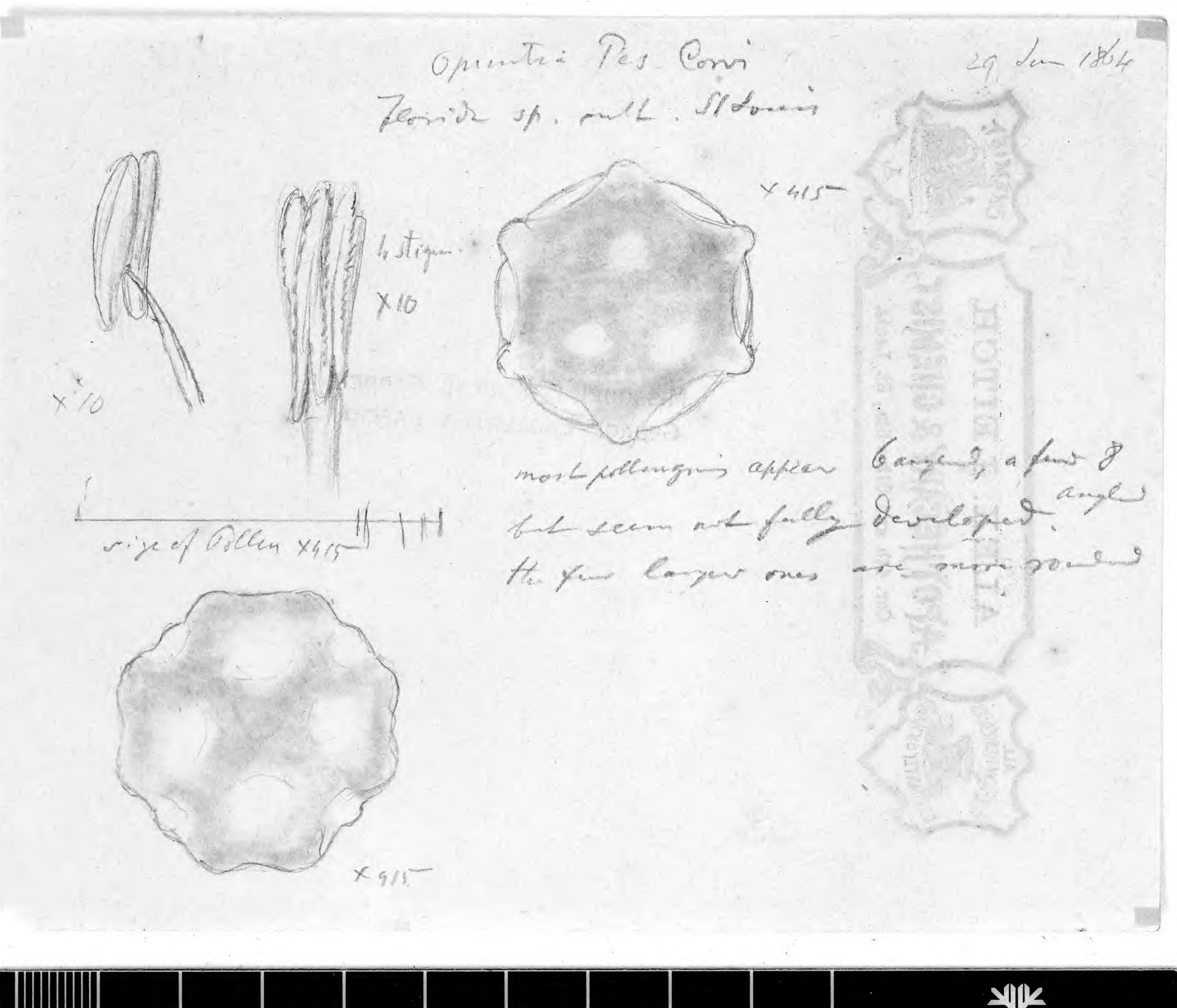
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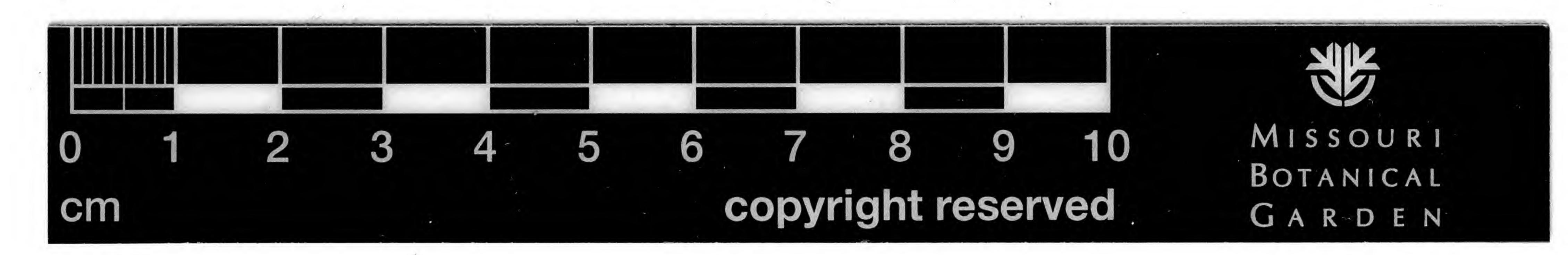


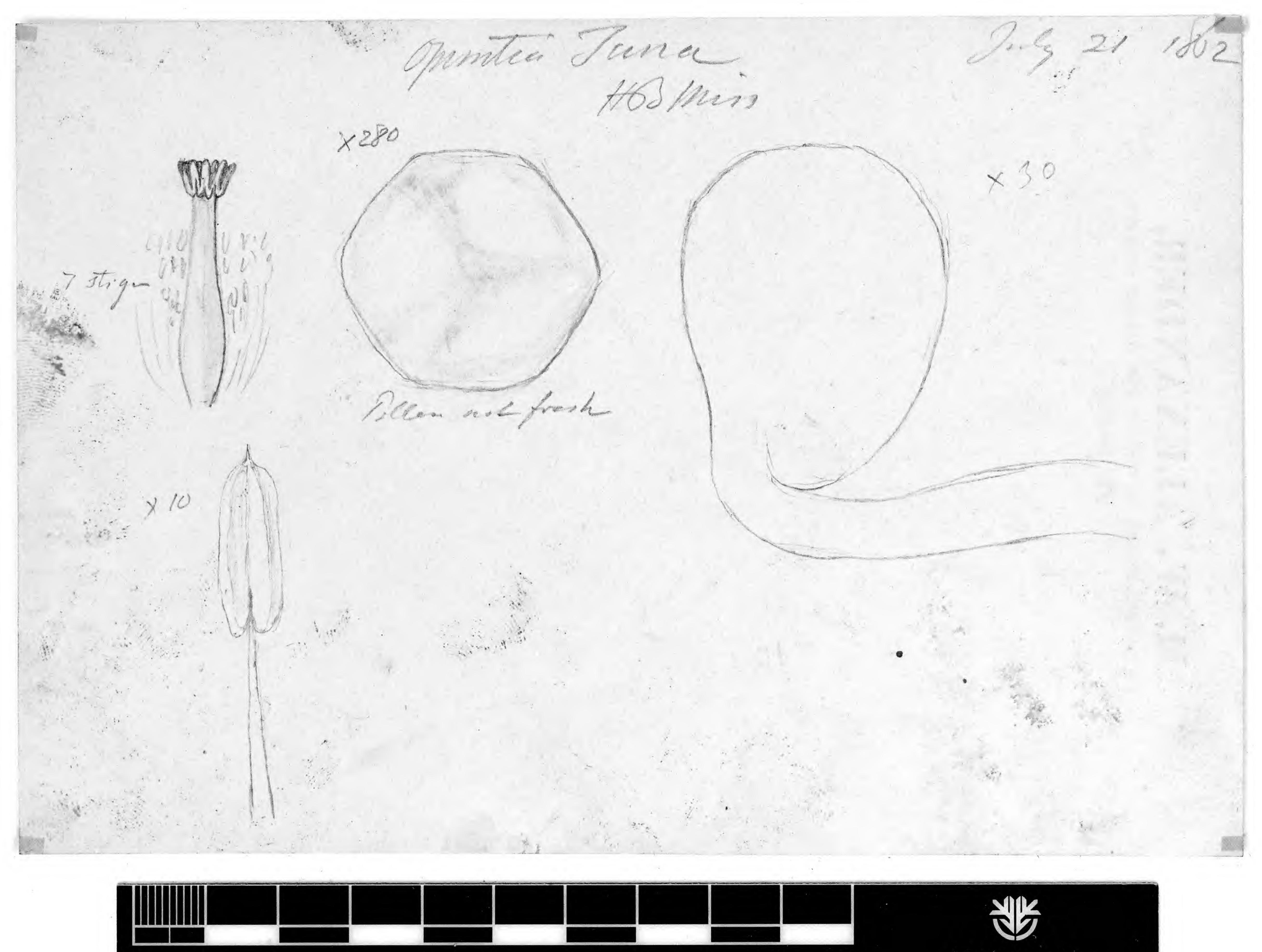






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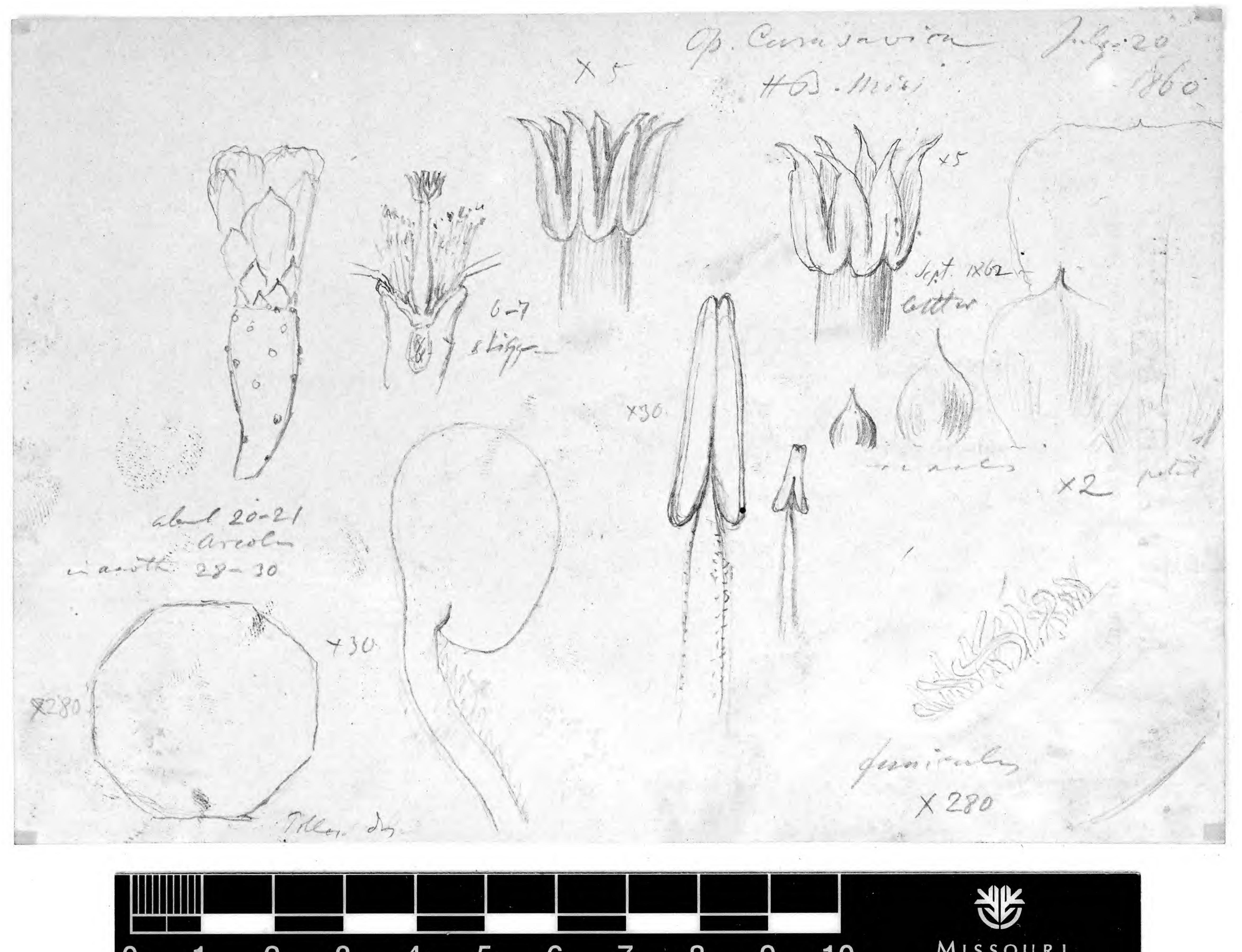


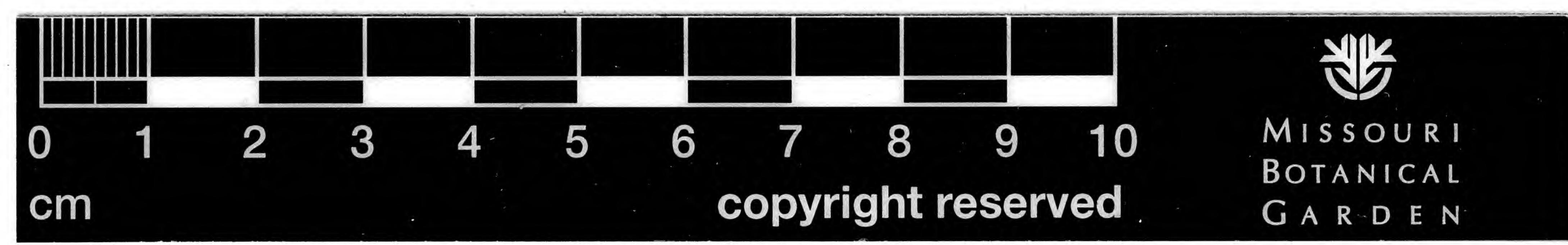




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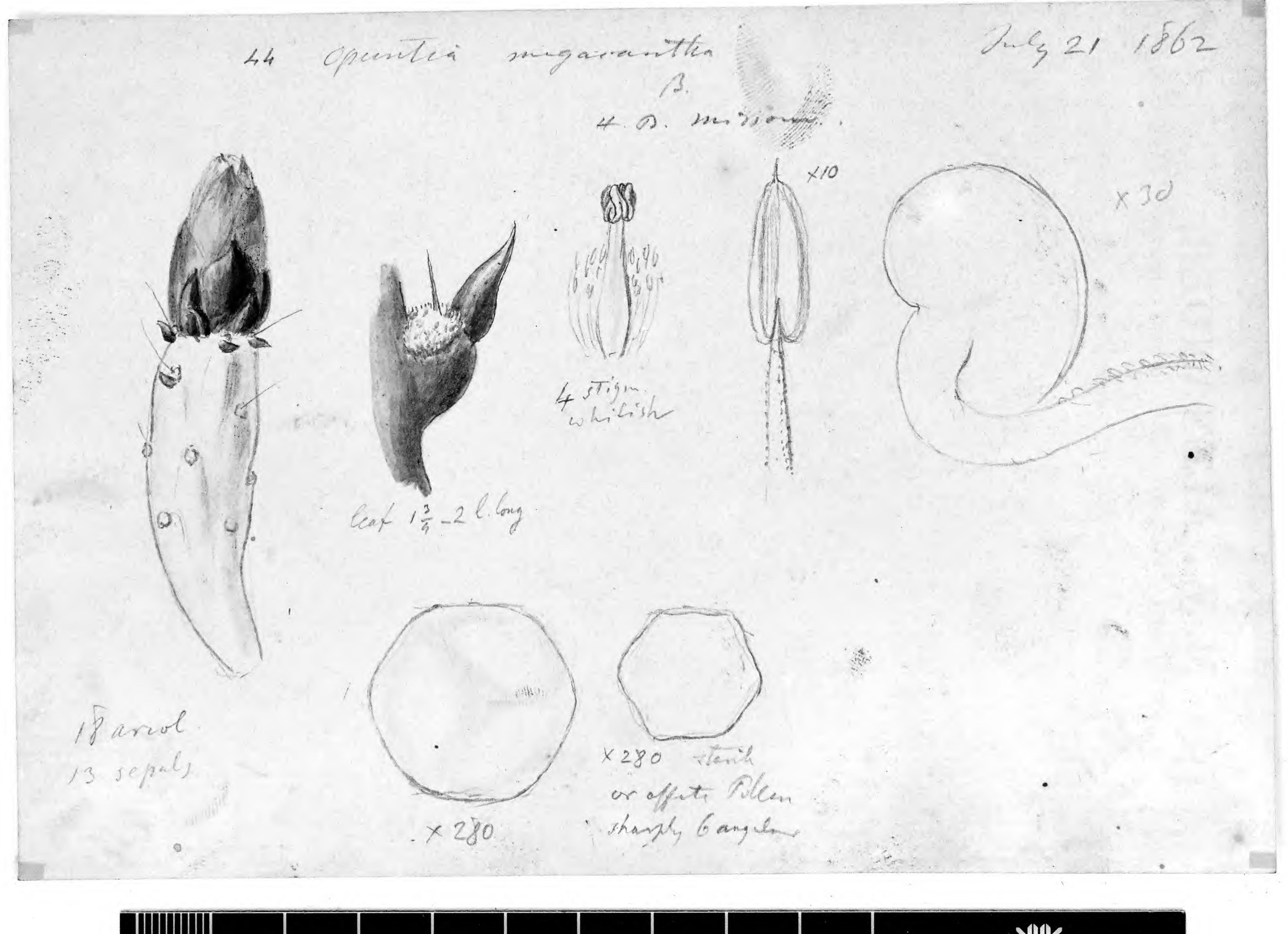
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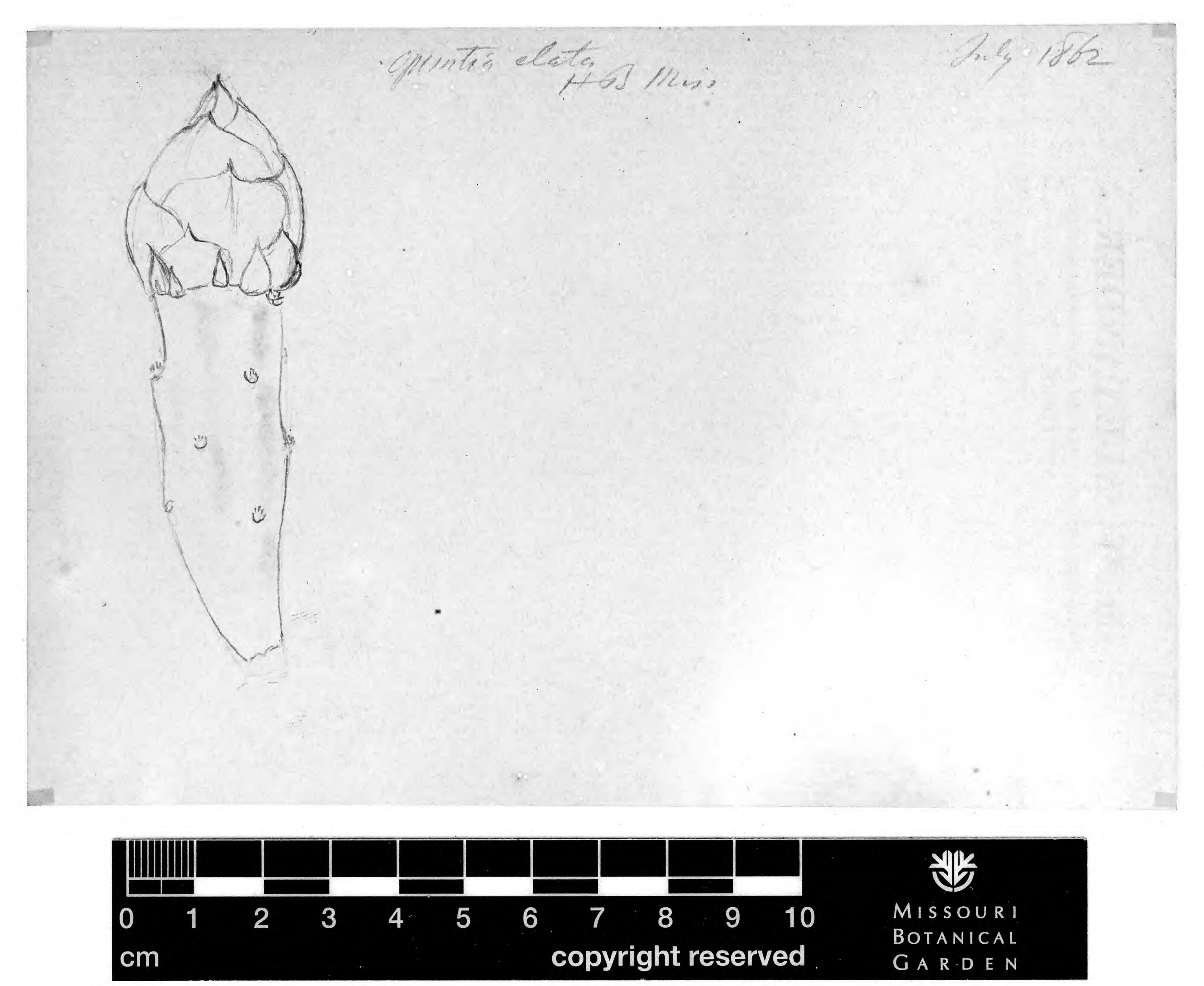




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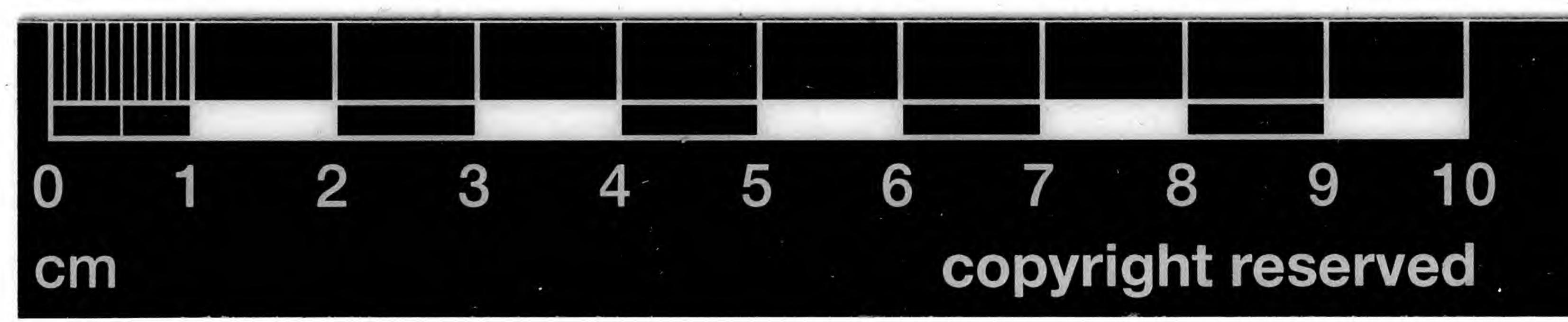
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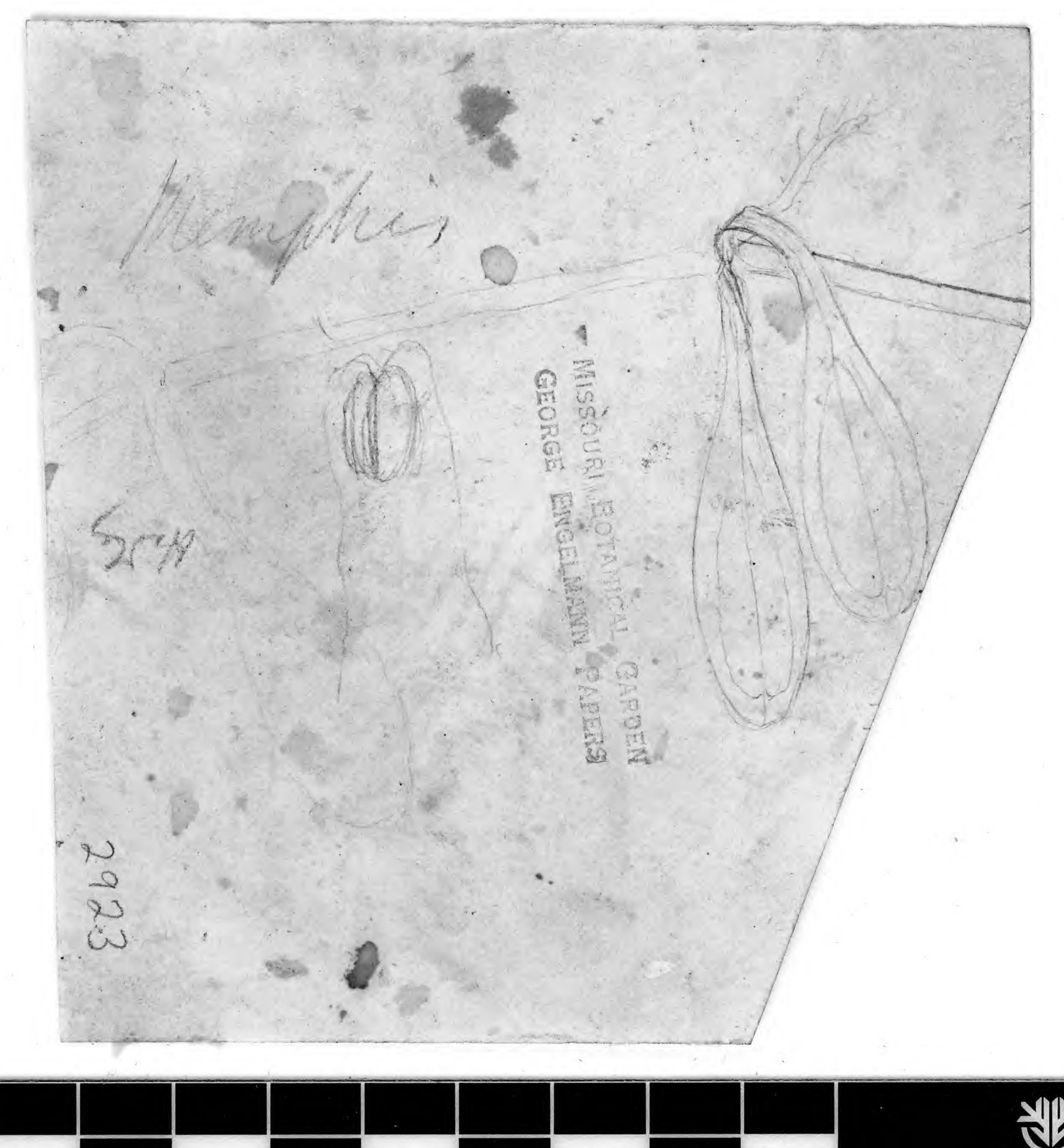
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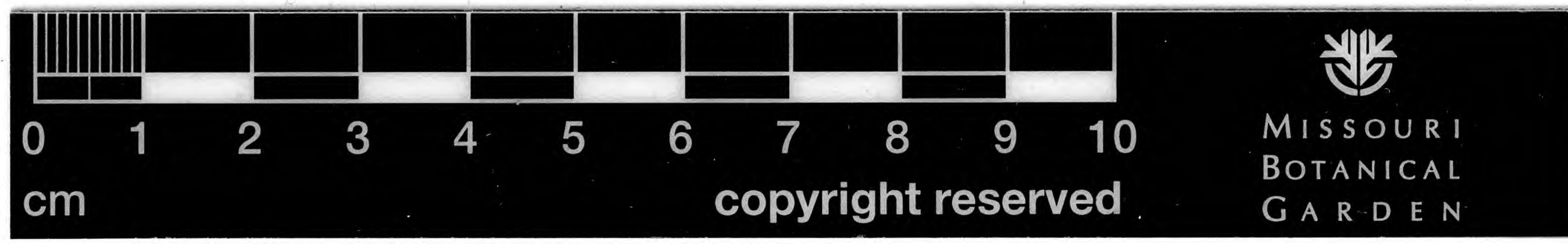


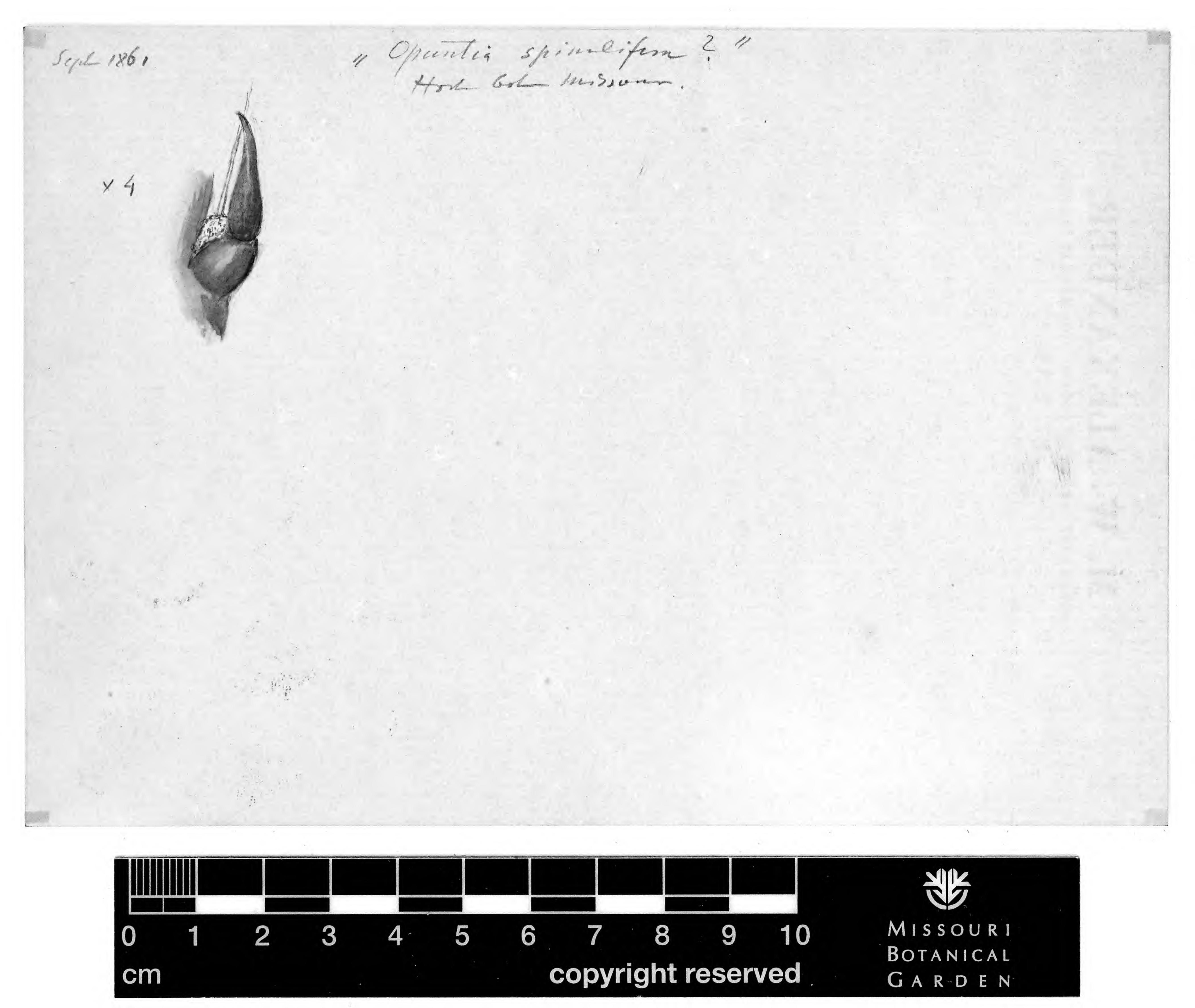
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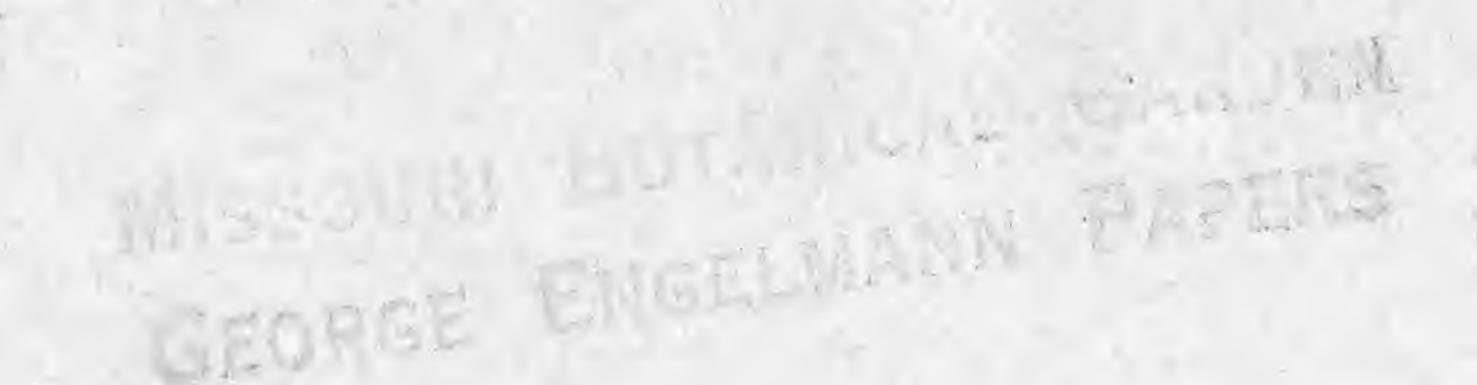


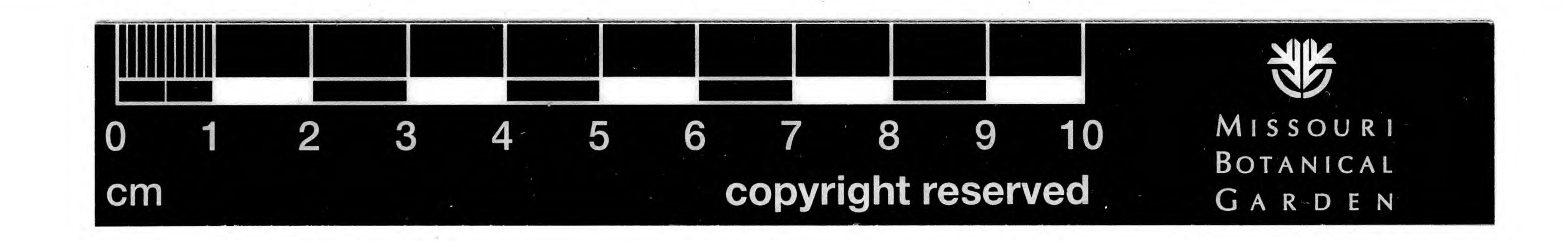




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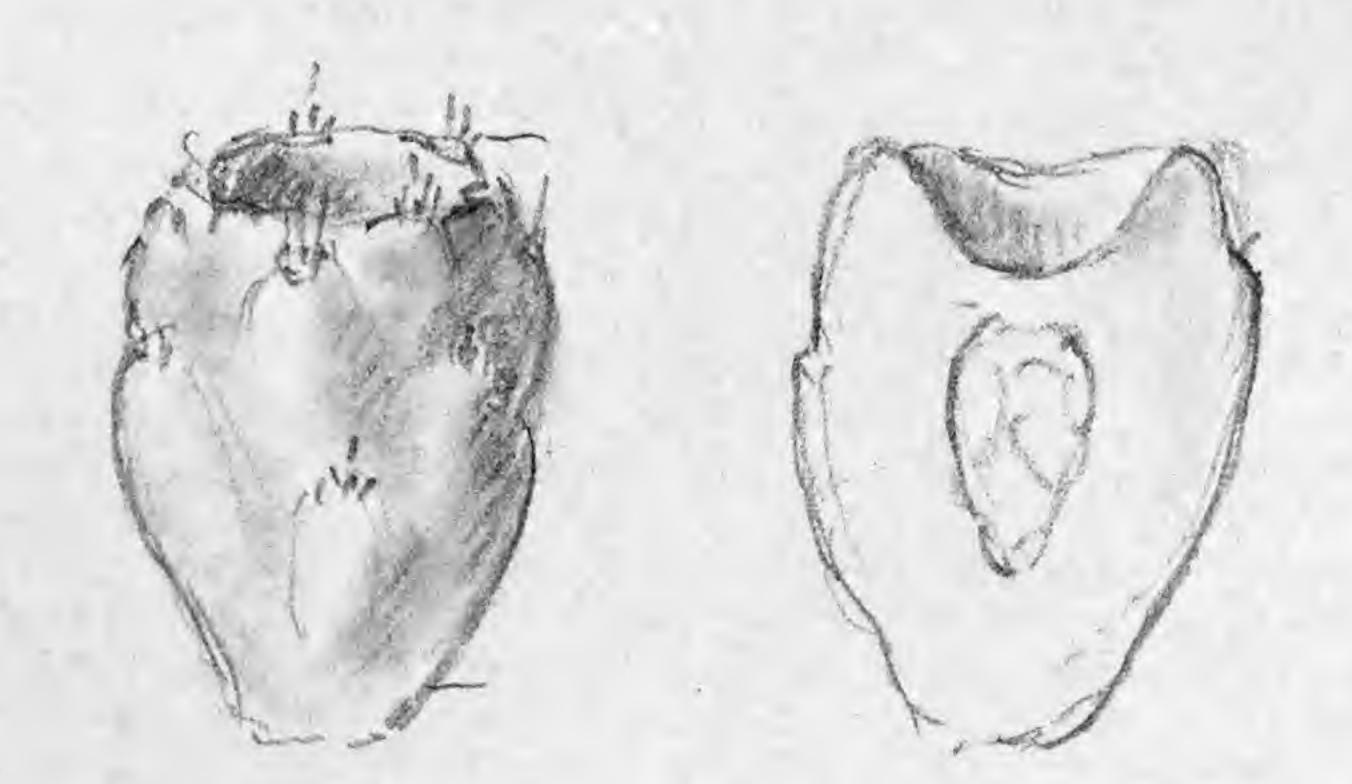
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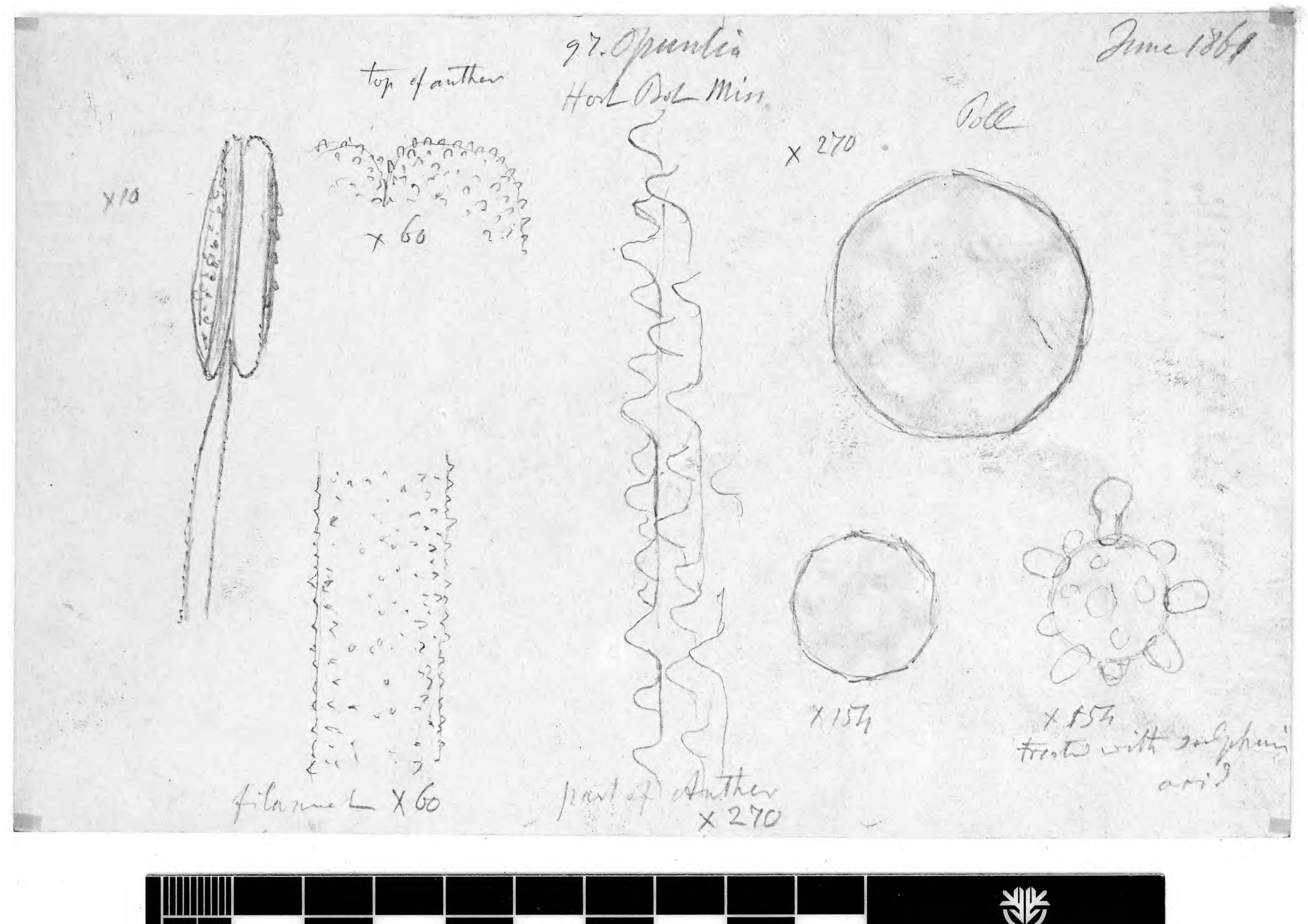
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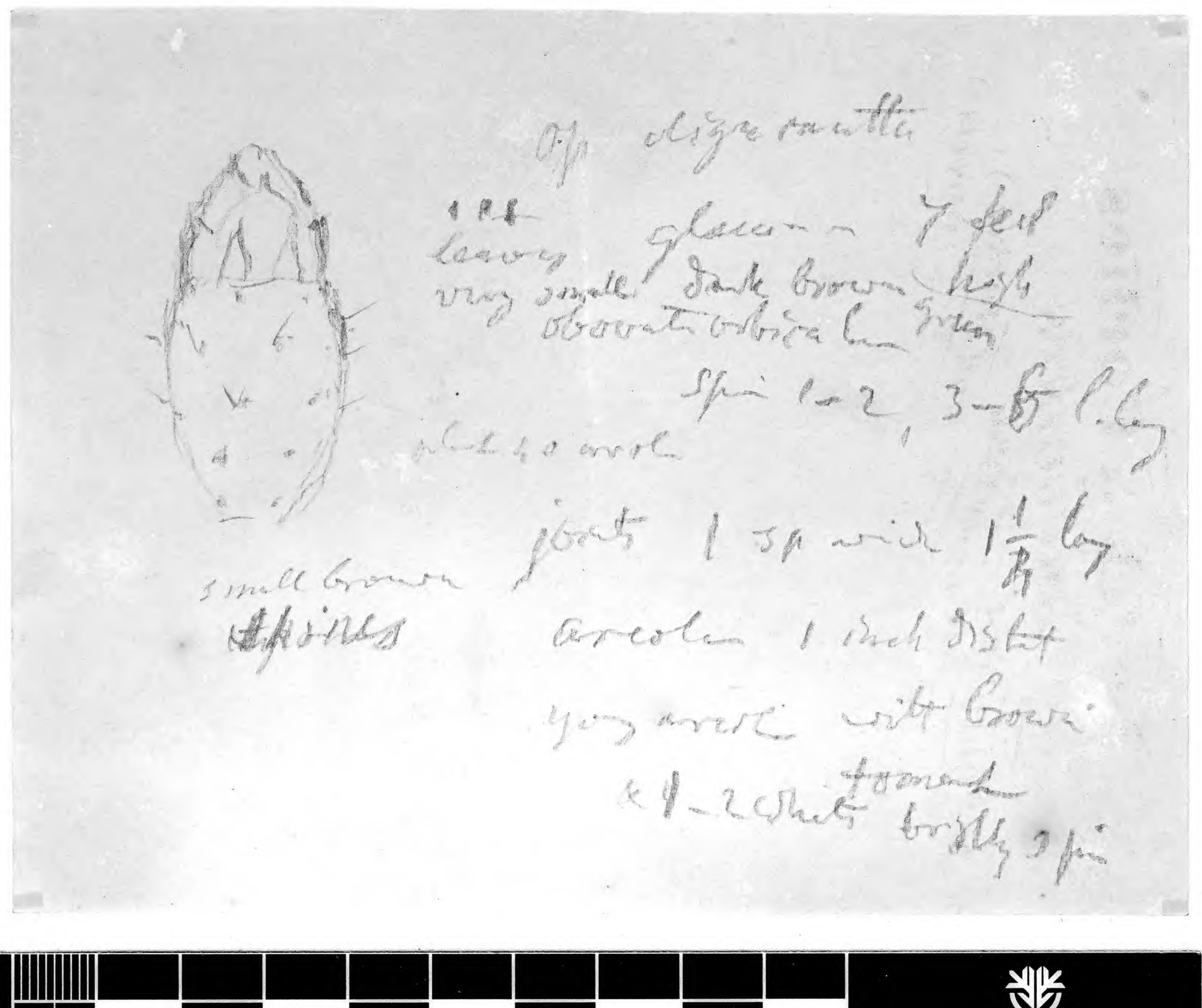


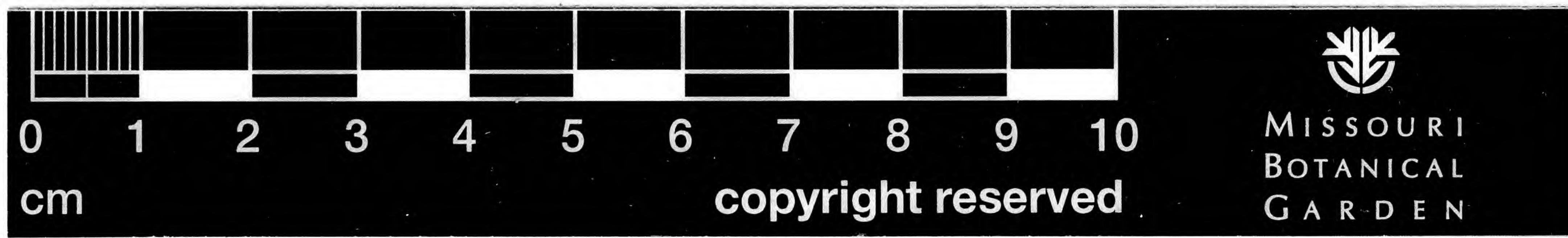
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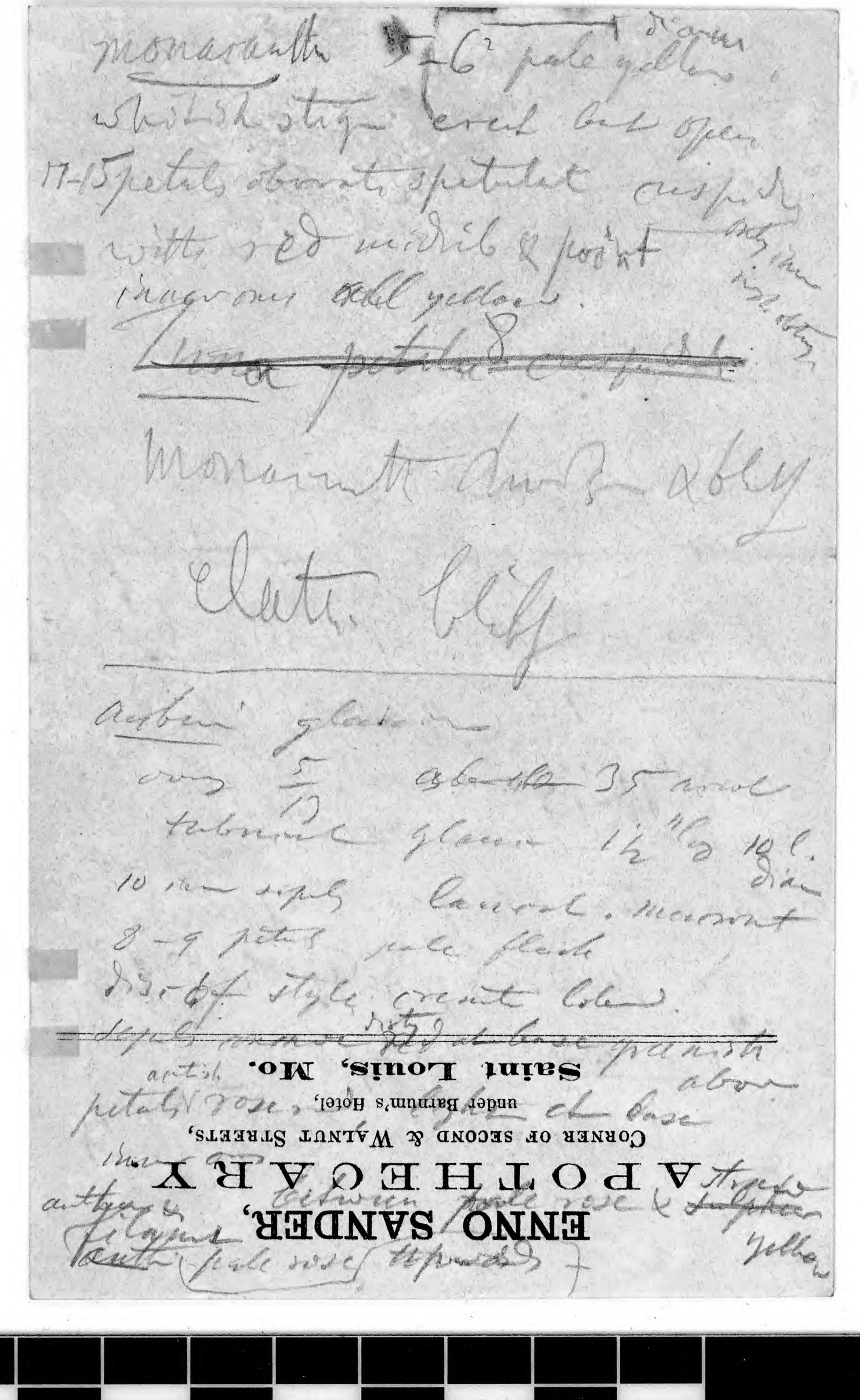




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